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64 Modification of DNA sequences.

(a) The Invention is embodied by digesting a vector DNA sequence with a restriction enzyme, removing any unwanted nucleotides, treating the cleaved vector with exonuclease III to create 5' sticky ends, mixing with the thus treated vector an even number of single-stranded nucleotides of alternating sense and anti-sense sequence which alternately encode or are complementary to the desired sequences in the product DNA, and which single-stranded ologinucleotides have termini which overlap and are complementary to termini of the adjacent oligonucleotide(s) and/or cleaved vector 5' sticky ends so as to form a tendem bridge between the 5' sticky end downstream of the original cleavage site and the 5' sticky end downstream of the polyemrase and ligase.

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